governing
by networks
(sept. 2003)

A cell-phone's Sim card can be located thanks to one of the 30,000 base stations of the GSM network or to one of the satellites used by the GPS (Global Positioning System)
Global System for Mobile communications (GSM)
CALEA redefines the telecommunications industry's obligation to assist law enforcement in executing lawfully authorized electronic surveillance. In 1991, the FBI held a series of secret meetings with EU member states to persuade them to incorporate CALEA into European law. The meetings included representatives from Canada, Hong Kong, Australia and the EU. At these meetings, an international technical standard for surveillance, based on the FBI's CALEA demands, was adopted as the "International Requirements for Interception."
PATHWAY NSA communications server furnishing a fast, efficient, high-security network for the ECHELON system
common standard to intercept telephone communications (CALEA)
INTELSAT
20
listening
Yakima (usa)
Hong-Kong
Sugar Grove (usa)
Morwenstow (uk)
ECHELON INTERCEPTION SYSTEM
COMINT
Kourou (Guyane fr)
Mutzig (fr)
Dome (fr)
Alluets-Feucherolles (fr)
Groupement des contrôles radio-électriques (GCR) - France
cooperation treaty
ESSAIM
4
Ground Wave Emergency Network (GWEN)
LF/UHF
survivable network

GWEN Ground Wave Emergency Network
The Ground Wave Emergency Network (GWEN) provides survivable connectivity to designated bomber and tanker bases. The system is in sustainment. GWEN is designed as an ultra-high powered VLF [150-175 kHz] network intended to survive massive broadband destructive interference produced by nuclear EMP. GWEN is Scheduled to be Replaced by SCAMP in FY99

National Reconnaissance Office charged with managing American spy satellites such as Black Bird, Rhyolite, KH-11 and KH-12, or Furet. cyberspace surveillance

COMINT (Communication Intelligence)
IMINT (Imagery Intelligence)
Humint (Human Intelligence)
SIGINT (Signals Intelligence)
OSINT (Open Source Intelligence)
MASINT (Measurement & Signature Intelligence)
National Reconnaissance Office (usa gov)
UKUSA (USA, New Zel., Aus, UK, Germ., Taiwan)
NSA (usa gov)
Defense Information Systems Agency (DISA) (usa gov)
NSA agency in charge of COMINT (Truman Memorandum , 24 octobre 1952)

OSINT
OSINT (Intelligence, Not Information.) can help DoD in two ways: (1) crisis support; and (2) support to on-going operations, bringing to bear in both cases the best and most relevant open sources to respond to established DoD needs with OSINT rather than just information. OSINT includes global geospatial data and global logistics information.

MASINT
Measurement and Signature Intelligence (MASINT) is a collective term bringing together disparate intelligence elements that do not fit within the definitions of Signals Intelligence, Imagery Intelligence, or Human Intelligence. These disparate elements consist of intelligence activities and technologies such as acoustic intelligence; radar intelligence; nuclear radiation detection; infrared intelligence; electro-optical intelligence; radio frequency, unintentional radiation; materials, effluent, and debris sampling; and electro optical and spectro-radiometric sources.

Department of Energy-DOE (usa gov)

Deep Space Network -DSN
Tracking & Data Relay Satellite Syst. TDRSS
MARSNET
space probe
Deep Space Network - DSN
space probe
Galaxy Communicator
MITRE Corporation (usa gov)
Research Biochemical & DNA-Based Nanocomputers
Chairman of the Board of Trustees
Interplanetary Internet Research Group IPN RG

Galaxy Communicator is an open source architecture for constructing dialogue systems. This work is funded by the Defense Advanced Research Projects Agency (DARPA) of the United States Government. The DARPA Communicator program will provide the next generation of intelligent conversational interfaces to distributed information. The goal is to support the creation of speech-enabled interfaces that scale gracefully across modalities, from speech-only to interfaces that include graphics, maps, pointing and gesture. (http://communicator.sourceforge.net)

SAIC: 41,000 employees, an annual turnover of 5.5 billion dollars, 620 million dollars profit in 1999. The company's major client is the American government, 79% of total turnover comes from the Pentagon. Among the SAIC's achievements: digital cartography of the USA and digital early warning system for environmental data; security system for Defense Department computers; installation of computerized decision-making and transmission systems for oil conglomerates such as BP Amoco; computerization of the American reserve army mobilization system; design and installation of transmission systems between command posts and combatants (Defense Information Systems Network); design of C4I command centers for naval and space warfare; modernization of the space-based mapping networks of the National Imagery and Mapping Agency; surveillance of the execution of nuclear non-proliferation treaties; design of training and simulation equipment for F-15 and F-16 pilots; design of satellite sensors and observation equipment for NASA; creation of the largest criminal information database for the FBI (with files on 38 million suspects); etc.
In the period of 1992-1995 alone, the SAIC hired 198 former colonels and generals of the US armed forces. Among its administrators, the SAIC has had the former Defense secretaries William Perry and Melvin Laird, and the former CIA directors John Deutch and Robert Gates.

DARPA/VERIDIAN Human Augmentation of Reasoning through Patterning (HARP)
Global Integrity Corp.
TECSI has strategic relationships with SAIC
Science Application Internat. Corp. (SAIC)
finance
via certplus
close ?
26
Nordnet
Global One
ebone
traffic exchange via BBN (Genuity)
partnership
Telstra (cable)
traffic exchange
Japan NTT
NTT State of Japan owns 66%
Verio
VERIO largest global website hosting company
STERIA
Veridian
France BULL
4,77
16,9
France Telecom
Noos
TECSI
wanadoo
TRANSPAC (France)
ICANN certified domain registrar
Orange
Immarsat
president, chief operating officer and vice chairman SAIC

SITA (www.sita.com)
The network is made up of more than 1,700 circuits representing a consolidated transmission capacity of around 1,400 Megabits per second and includes over 13,000 managed routers. Total traffic over the network grew to 272 trillion characters, up by 55% in the year.The network now has over 176,692 user connections. Nortel Passport Switches increased to reach over 3700 nodes across the network in 2001. SITA has over 10,000 IP routers online and over 400 customers of SITA IP services. The network consistently achieves core availability of 99.99%. SITA maintains 150,000 units of customer premises equipment in the air transport industry, through 170 service delivery facilities worldwide. World's first airport shared check-in system, CUTE. World's first partnership to support the implementation of electronic visa authorization, with ETAS. Visas for Australia are processed using ETAS.

Bill Owens
served as the deputy chief of Naval Operations for Resources, Warfare Requirements and Assessments, commander of the U.S. Sixth Fleet, senior military assistant to Secretaries of Defense Frank Carlucci and Dick Cheney (source : www.teledesic.com)

Swiss SITA
700 antennas
VHF
AIRCOM
LYCOS
Spain Telefonica

TELEFONICA
In 2001, Telefonica offered telecommunications services to nearly 50 countries and had its own installations in 20 countries. It had constituted one of the largest international support networks for its activities, in particular a transatlantic submarine cable going all around Latin America. Telefonica claims that its network carries 80% of the world's Spanish-language Internet content. (source: OCED, 2001)

GenBank
GenBank
GenBank, the world's DNA sequence repository, was developed at Los Alamos National Laboratory (LANL) and later transferred to the National Library of Medicine. Chromosome-sorting capabilities developed at LANL and Lawrence Livermore National Laboratory enabled the development of DNA clone libraries representing the individual chromosomes. These libraries were a crucial resource in genome sequencing.

Human Genome Project
Project goals were to
- identify all the approximately 30,000 genes in human DNA,
- determine the sequences of the 3 billion chemical base pairs that make up human DNA,
- store this information in databases,
- improve tools for data analysis,
- transfer related technologies to the private sector, and
- address the ethical, legal, and social issues (ELSI) that may arise from the project. The Human Genome Project ends in 2003 with the completion of the human genetic sequence.
IBM, Compaq, DuPont, and major pharmaceutical companies are among those interested in the potential for targeting and applying genome data. (source : www.ornl.gov)

Motorola
Nicolas Naclerio, head of Motorola's Biochip Systems Unit, former executive at Darpa Motorola's biochip technology will use the results of the Human Genome Project.

Human Genome Project
Celera Genomics
0,9
Bill Owens
30
Teledesic
17
France Gemplus
coopération for Windows NT 4.0
USA Microsoft
"After the fiasco of the automatic vote-count during the American presidential election, Unisys Corp aims to associate itself with Dell Computer Corp and Microsoft Corp to create a new voting system." Unisys will propose the overall system, Dell will supply the computers, and Microsoft, the programs. (12/01/2001)
High Productivity Computing Systems (HPCS) Program
USA Dell Computer Corporation
USA Silicon Graphics
100
Cray Research, Inc.
USA Unisys Corp.

Unisys Corp.
Unisys notes that it has worked on voting technology for decades, and developed electronic voting systems in Brazil, Italy and Costa Rica. (source: AFP)

SAIC/NBII
evaluate the most effective alternatives for integrating geographic information systems data/information on the Web.
World Information Technology and Services Alliance (WITSA)

Global Information Infrastructure Commission (GIIC)
The GIIC is a confederation of chief executive officers of firms that develop and deploy, operate, rely upon, and finance information and communications technology infrastructure facilities.
Global Information Infrastructure (GIIC)
Defense Information Infrastructure.

Defense Information Infrastructure
2,100,000 computers connected to almost 10,000 local area networks, themselves linked to approximately one hundred national or international networks.

National Biological Information Infrastructure (NBII)
The NBII is a broad, collaborative program to provide increased access to data and information on the nation's biological resources. The NBII links diverse, high-quality biological databases, information products, and analytical tools maintained by NBII partners and other contributors in government agencies, academic institutions, non-government organizations, and private industry. NBII partners and collaborators also work on new standards, tools, and technologies that make it easier to find, integrate, and apply biological resources information. (www.nbii.gov)

NASA's Global Change Master Directory (GCMD) and the NBII Program cooperate in the development of standardized m e t a d a t a descriptions of biological data sets
National Biological Information Infrastructure (NBII)
Senior Advisor

World Information Technology and Services Alliance (WITSA)
The World Information Technology and Services Alliance (WITSA) is a consortium of 50 information technology (IT) industry associations from economies around the world. WITSA members represent over 90 percent of the world IT market.

Network Associates, Inc. (network security)
world leader in network security and availability, help secure the networks of major Fortune 500 companies. Own McAfee Security, the leader in anti-virus software
4
1,8
1,7
3,3
4,9
2,1
3
1,7
USA Xerox corp
3,9
3,2
10,6
9,8
USA IBM
PDG
Louis V Gerstner Jr
4
USA Liberty Media Corp
USA MOTOROLA
Bernard L. Schwartz
Chairman and CEO
Loral Space & Communications
chairman and chief executive officer
Olof Lundberg
Globalstar
President
Tony Navarra

Globalstar
provider of global mobile satellite telecommunications services, offering both voice and data services from virtually anywhere in over 100 countries around the world

80
Skybridge
investor
1,7
2,2
21
3,7
10
Sprint Corp.
France Alcatel
UK Barclays Plc
George Herbert Walker Bush
ex-director
ex-director
ex-director
ex-director
was floated as a possible CIA Director in 1995
Robert Gates
Board
Fidelity
Abigail Johnson owns 25%
Edward C. Johnson 3 owns 12%
USA FMR Corp. (Fidelity Investments)
USA Brandes Investment Partners, L.P
9,9
Carlyle Group 11th largest defense contractor
Board
Carlyle group
Maurice "Hank" Greenburg
administrateur
AIG (American International Group)
Matrics
1,53
5,8
Americas II Cable System
Tyco Submarine Systems International Ltd., and Alcatel Submarine Network Systems build Americas II Cable System (8,000 kilometers) (source : www3.sprint.com)

Matrics - RFID
For more than two years, a team of former National Security Agency scientists has eschewed the Internet boom in favor of a simpler task: building a better radio frequency identification chip known as RFID. Now the company, Matrics, is ready to launch, and it's doing so with a $14 million investment from venture capital firms Novak Biddle Venture Partners, The Carlyle Group, Polaris Venture Partners and Venturehouse Group.
Matrics (http://www.matricsrfid.com) closed the deal in December, but has chosen to lay low until its product is launched. What the company promises is a cheaper, smarter version of the RFID tag, which could be attached to virtually any product that needs tracking, from DVDs in a video store to engine turbines in an airport hangar. Ideally, a cheap RFID could replace the ubiquitous UPC bar codes on consumer goods because it can track more information.

AT&T
investor
AT&T
world's premier communications and information services company. The company has annual revenues of more than $52 billion and 130,000 employees. (1998)
90 million customers

SWIFT/UNISYS
In 1989, more than 300 million international financial transactions were made via SWIFT, which had three switching centers equipped with Unisys computers in Belgium, the Netherlands and Virginia.
Society for Worldwide Interbank Financial Transaction-SWIFT
7,601 2002
clearing network
Board
Deputy Chairman
Director
Director
Director
Director
Chairman
Yawar Shah
Martin Read
Tom Turner
Bank of Nova Scotia
Royal Bank of Canada
Royal Bank of Scotland Group
ABN AMRO Bank
HSBC Bank plc
André Roelants
Clearstream International
Jaap Kamp
Linda Smith
Jacques-Philippe Marson
USA State Street Corp.
USA JP Morgan Chase
Citigroup
3
3,3
4
3
2
3,97
John Deutch
ex-Executive Vice President Sate street
France BNP Paribas
President and CEO, BNP Paribas Securities Services Board of Euroclear
Germany Deutsche Bank
2,55
4,98
1,5
1,5
1,5
France Atos Origin

John Deutch
This retired CIA Director from the Clinton Administration currently sits on the board at Citigroup, the nation's second largest bank, which has been repeatedly and overtly involved in the documented laundering of drug money.
Nora Slatkin, retired CIA Executive Director also sits on Citibank's board.

Eutelsat SA
21,2
Hispasat
5
100
Astrium
7,15
Arianespace
France EADS (European Aeronautic Defence and Space Co)
via Daimler Chrysler
0,7
50
Concert
50
UK BT (british Telecom)
Eutelsat
4
2,2
A.B. "Buzzy" Krongard

A.B. "Buzzy" Krongard
The current Executive Director of the Central Intelligence Agency is the former Chairman of the investment bank A.B. Brown and former Vice Chairman of Banker's Trust (owned by Deutsche bank)

Colin Powell
Board
America Online
America Online 35 million members
CompuServe
Compuserve 2 million members
USA AOL Time Warner
Cable & Wireless
Bell Atlantic Corp.
USA Nortel Networks
USA Global Crossing
Internet Security Systems

Internet Security Systems
ISS - Internet Security Systems - hosts the X-Force, a kind of elite corps for world information security. This company, specializing in computer protection, is credited with more than 60,000 clients worldwide, including 21 of the 25 largest American banks, but also 10 of the largest global telecommunications operators and 35 governments, without forgetting the White House and the FBI. Since July 1998, the US Army employs the ISS to protect all its world bases. In 2001, the ISS recorded 830 million alerts.(Le Figaro Entreprises, June 3 2002)

5,4
3,53
2
Verizon
100
Yahoo
As of July 2003, Yahoo owns Overture, Fast/Alltheweb, AltaVista, and Inktomi
Yahoo!
2,8
9
8
David Filo
Jerry Yang
Director
google
Matt Cuts
ex-employee
Larry (Lawrence) Page
Michael Moritz
Director via Sequoia Capital

Rand Corporation (usa)
Standford Research Institute (usa)
Biological Computer Laboratory (usa)
Tavistock Institute (usa & uk)
American Society for Cybernetics (usa)

Biological Computer Laboratory (BCL)
In the years after World War II, the notion and the profession of electrical engineering underwent a transformation and expansion. New concepts, thoughts, ideas, inventions, and fields of study were born within the profession or were brought in from other fields of study and absorbed as part of a new self. Who would have thought that a theory of information would emerge from an engineering laboratory; that an electrical hypothesis, that is, the hypothesis that all our perceptual, intellectual, and emotional experiences are states of electrical activity in the central nervous system, would dominate the neural sciences; that the abstract notion of computation would find its manifestation in electrical devices that, by integrating new insights from semiconductor physics, evolved into machines of such complexity that one could be tempted to make comparison of these machines with their creators? One spoke and even speaks today of electronic brains; one spoke of mentality in machines and still asks: "Can machines think?"(www.ece.uiuc.edu)

National Weather Service Cooperative Observer Program-Modernization COOP-M
http://www.nws.noaa.gov/om/coop
The COOP network comprises nearly 12,000 sites across the United States and Puerto Rico. The network was established in 1890 to collect temperature, precipitation and other meteorological data for climate applications related to agriculture and water resources. COOP-M will improve the network's spatial density, distribution, communications and processing capabilities. "Ultimately the network will have new automated temperature, precipitation, soil-moisture and river-level sensors; near real-time data collection, quality control and dissemination; automated flashflood reporting; and interactive data terminals to collect both automated and manual observations," said Don Boucher, senior staff meteorologist and the Aerospace system architect for the project. (source : www.aero.org)

COOP-M (usa)
12000 sites
climatic data network

UK-USA/ECHELON
UKUSA is the secret signals intelligence agreement, set up in 1947, that divided the world into five regions to be watched over by Australia, Canada, New Zealand, Britain and America. Australia DSD - Defense Signals Directorate. Canada CSE - Communications Security Establishment. New Zealand GCSB - New Zealand's Government Communications Security Bureau. UK GCHQ - Government Communications Head Quarters. USA NSA - National Security Agency

Iridium Satellite LLC
Iridium system
wireless

CNRI
CNRI was created as a not-for-profit organization to provide leadership and funding for research and development of the National Information Infrastructure.
NSFNET (NSF - USA)
Father of the Internet
Keith W. Uncapher
Robert Kahn
Chairman CEO President
Vice-President
Corporation for National Research Initiatives (CNRI)
American National Science Foundation (NSF)
BLOCK II/IIA/IIR
24
Global Positioning System GPS-NAVSTAR
positioning network
Standart Positionning System (SPS) CIVIL
Precise Positionning System (PPS) US ARMY
Falcon Air Force Base, Colorado, USA
gov. owned sat.
3.39 MHZ and 6.99 MHZ
Alaska, USA
Climatic weapons
high frequency active auroral research program (HAARP)
US navy
Alaska, USA
HIPAS High Power Auroral Stimulation Observatory
project GENOA II
the National Coordinator for Security, Infrastructure Protection and Counter-Terrorism
Department of Defense-DOD (usa gov)
pentagone (usa gov)
internet origin
Defense Advanced Research Project Agency (DARPA) (usa gov)
NASA (usa gov)
USIA (usa gov)
TIA, Total Information Awareness Program
massive domestic surveillance system
joint project picosatellites
The Aerospace Corporation (us gov)
DGSE (fr)
BND (Germ)

Network Solutions Inc (NSI)/SAIC
domain names are always registered in the databanks of the SAIC-NSI. And even if, officially, the "client" data associated with the domain names remains confidential, it is the SAIC-NSI information system that retains responsibility and technical control over the data banks of names and name servers.

Network Solutions Inc (NSI)
Network Solutions is the world's leading registrar, with more than 6.5 million net registrations. Network Solutions registers the majority of Web addresses worldwide through various channels including nearly 220 companies in over 30 countries in its Premier program and over 30,000 companies in its Affiliate Program. (1-August-2003, www.internic.net/registrars/registrar-2.html)

Champ Mitchell
President, Network Solutions served as vice chairman of the finance committee for the election campaign of President George H. W. Bush. (source : www.verisign.com)
Champ Mitchell
ICANN certified domain registrar
Network Solution Inc. (NSI)
100
Verisign

VeriSign maintains more than 10 million Internet addresses. VeriSign used to have a government-approved monopoly over wholesale and retail sales of .com names. (...) In 1998, the Commerce Department, which maintains control of the Internet's authoritative "root server," commissioned the nonprofit ICANN to inject competition into the addressing sector. The root server is the master list of Net addresses ending in "top-level" domains including .com, .net and .org. (source : washingtonpost.com, Wednesday, September 4, 2002)

CORE
In November 2000, ICANN approved seven new TLDs. Six of them, .info, .museum, .biz , .aero, .coop and .name have been launched, the other one is expected to follow quickly. CORE members offer registration services under most of these newly created TLDs. CORE is also a .us and .cn accredited registrar and many CORE members offer to their customers .us and .cn registrations. (www.corenic.org)
CORE is a Registrar accredited by the Internet Corporation for Assigned Names and Numbers (ICANN) and currently operates as a registrar for .com, .net, .org, .biz , .info , .name domain names.(www.corenic.org)

ICANN certified domain registrar
CORE
Clarence E. Briggs III
Clarence E. Briggs III
military service during Operation Juste Cause in Panama and Desert Storm in Irak
CEO, Chariman and president of AIT (http://aitcom.net)
IANA - Root zone: administrators of the 240 cc TLD (codes ISO ".de" ".fr" ...)
www.iana.org/cctld/cctld-whois.htm
Advanced Internet Technology/nameIT
190 000 domain Names in 137 countries (www.ait.com)
ICANN certified domain registrar
Advanced Internet Technology
ICANN Accredited Registrar
.com" ".org" ".net"
www.internic.net
certified domain registrar
Internet Assigned Numbers Authority (IANA)
soutient financièrement
Internet corp. for assigned names & numbers (ICANN)
IP domain names

National Institute for Research in Computing and Automation INRIA (FR)
CERN (Swiss)
IP V6
Laboratory for Computer Science, Massachusetts Institute of Technology MIT (USA)
funded by
funded by
funded by
Information Assurance and Survivability technologies
Institute of Electrical and Electronic Engineers IEEE

INRIA
public establishment of a scientific and technological nature (EPST)

World Wide Web Consortium (W3C)
In October 1994, Tim Berners-Lee, inventor of the Web, founded the World Wide Web Consortium (W3C) at the Massachusetts Institute of Technology, Laboratory for Computer Science [MIT/LCS] in collaboration with CERN, where the Web originated, with support from DARPA and the European Commission.

IEEE
380 000 members in 150 countries. Produces 30% of the world's published literature in electrical engineering, computers and control technology (www.ieee.org)

World Wide Web Consortium (W3C)
funded by
Internet Engineering Steering Group (IESG)
Internet Engineering Task Force (IETF)
Internet Society (ISOC)
Conseiller
Internet Architecture Board (IAB)
members from IAB and IESG designed by Nomcom and approved by ISOC (Board of Trustees).
Internet Research Task Force
Father of the Internet
Vint Cerf

Internet Engineering Task Force
The Internet Engineering Task Force (IETF) was created to serve as a forum for technical coordination by contractors for DARPA working on ARPANET, US Defense Data Network (DDN), and the Internet core gateway system.
The Internet Engineering Task Force is an informal, self-organized group whose members contribute to the engineering and technological development of the Internet. It is the major organization involved in the development of specifications for the new Internet standards. The IETF is atypical to the extent that it was built up through a series of events, without any statutory framework or administrative board, without any members or admissions procedures. (source: Steve Coya, Executive Director, IETF, www.isoc-gfsi.org/ietf/tao.html)

The Address Supporting Organization (ASO)
created by Icann in August 1999, ASO manages IP adresses
Board members
Dr Sang Hyon Kyong (serves as Governor of International Council for Computer Communication (ICCC), Member of the Board of Multilingual Internet Names Consortium (MINC), and Chairman of the Board of Asia-Pacific Advanced Networking Korea (APAN-Kr) Consortium. He was Minister of Information and Communication and Vice Minister of Communications in the government of South Korea (probably connected to CIA). He was on the technical staff at Bell Laboratories and Argonne National Laboratory in the US)
Lyman Chapin (founding trustee of the Internet Society; served as chairman of the Internet Architecture Board (IAB) and the ANSI and ISO standards groups responsible for Network and Transport layer standards, and was a principal architect of the Open Systems Interconnection (OSI) model and protocols. Serves to the NATO Science Committee's networking panel)
Mouhamet Diop, Africa (Mouhamet Diop is AfriNIC observer at the ASO address council, Executive committee on the Steering committee of AfriNIC. Graduated in 1993, from Business School ESSEC, France. built the most famous national IP-based network in the (neo-liberal country) Senegal)

Address Supporting Organization (ASO)
IP address
Protocol Supporting Organization (PSO)
protocol
Generic Names Supporting Organization(GNSO)
RIPE NCC
2700 members
Réseaux IP Européens RIPE NCC (Europe)
AfriNIC (Africa)
LACNIC (Latin American & Caribbean)
APNIC (Asia/pacific)
ARIN (USA)
Unicode Consortium
Regional Internet Registry

LACNIC - LATIN AMERICAN AND CARIBBEAN INTERNET ADDRESSES REGISTRY
BOARD OF DIRECTORS
Oscar Messano, CHAIRMAN
Germán Valdez, SECRETARY
Hartmut Glaser TREASURER
Fabio Marinho
Raimundo Beca
Raúl Echeberría, EXECUTIVE DIRECTOR - CEO
(source: http://lacnic.net)

APNIC
700 member organizations. across 39 economies of the region. Within the APNIC membership, there are also five National Internet Registries (NIRs), in Japan, China, Taiwan, Korea, and Indonesia. The NIRs perform analogous functions to APNIC at a national level and together represent the interests of more than 500 additional organizations.

ARIN - USA
ARIN is located in Chantilly, Virginia, United States. Its service region incorporates 70 countries, covering North America, South America, the Caribbean, and African countries located south of the equator. ARIN currently consists of more than 1500 members. Within the ARIN region, there are two national delegated registries, located in Mexico and Brazil.

Unicode Consortium (2003)
Full (Corporate) Members
Adobe Systems, Inc.
Apple Computer, Inc.
Basis Technology Corporation
Government of India - Ministry of Information Technology
Government of Pakistan - National Language Authority
Hewlett-Packard
IBM Corporation
Justsystem Corporation
Microsoft Corporation
Oracle Corporation
PeopleSoft, Inc.
RLG
SAP AG
Sun Microsystems, Inc.
Sybase, Inc.

Vint Cerf
senior vice president MCI Worldcom Inc.
Dr. Vinton Cerf is known as a "Father of the Internet" for his work with the U.S. Department of Defense's Advanced Research Projects Agency (DARPA) where he played a key role in the development of the Internet and Internet-related data packet and security technologies. (www.ed.gov)
The term Internet is first coined (1974) by Vint Cerf and Bob Kahn in a paper on Transmission Control Protocol (TCP). On January 1st, (1983) every machine connected to ARPANET switched to TCP/IP.

Transatlantic Business Dialogue
Established in 1995, the Transatlantic Business Dialogue is undoubtedly the most far-reaching international alliance between corporations and states. Unlike other lobby groups, it acts as a mandate for the U.S. government and the European Commission to work meticulously to identify 'barriers to transatlantic trade' - in effect, any regulation or policy proposal that does not fit the corporate agenda on either side of the Atlantic. The 150 large corporations in the Business Dialogue have managed to delay, weaken or even dismantle a wide range of environment and consumer-protection regulations, including a planned EU ban on marketing of animal-tested cosmetic products.The TABD played a key role in the launch of the new WTO round of trade negotiations in Qatar last November. Post-September 11, EU and US arms producers have taken a leading role in the TABD and a new working group to find 'ways to capitalize on... the new awareness of the importance of the security sector' http://www.tabd.org

Transatlantic Business Dialogue
enfopol
Enfopol A massive eavesdropping system capable of intercepting all mobile phone calls, Internet communications, fax messages and pagers throughout Europe.
® ce ™ ©
Eurodac
On 11 December 2000, the Member States adopted Council regulation no. 2725/2000 concerning the creation of "Eurodac." The objective is to establish a system for the comparison of fingerprints of asylum applicants and illegal immigrants and facilitate the application of the Dublin convention which makes it possible to determine the State responsible for examining the asylum application.
(source: http://europa.eu.int/scadplus/leg/en/lvb/l33081.htm)

©®ce™ WIPO - Word Intellectual Property Organization
©®ce™ ISO - International Organization for Standardization
©®ce™ WTO World Trade Organization
©®ce™ International Telecommunications Union (ITU)
WIPO Internet Domain Name Process
CISO-IEC/JTC1
NetAid Foundation
ONU

By agreement with the World Intellectual Property Organization (WIPO) the EPO acts as International Searching and International Preliminary Examining Authority. (source: http://www.european-patent-office.org/) For the last few years the European Patent Office has, contrary to the letter and spirit of the existing law, granted about 30,000 patents on computer-implementable rules of organisation and calculation (programs for computers). Now the European patent movement wants to change the law so as to legalise this practise and remove all barriers to patentability. Programmers are to lose their freedom of expression and the control over their copyrighted work. Citizens are to be barred from independently developing their preferred forms of communication. (source: http://swpat.ffii.org/index.en.html)

European Patent Office (EPO)
FICPI (International Federation of Intellectual Property Attorneys)
AIPPI (International Association for the Protection of Intellectual Property)

AIPPI
Numerous studies, particularly the reports of the national groups in the AIPPI (International Association for the Protection of Intellectual Property) have pointed out that there is no legal obstacle to the application of the patent system to computer software. Thus, after consulting with all its national groups, the AIPPI has taken a position in favor of eliminating the exclusion of computer software from patentability. (source: http://europa.eu.int/comm/internal_market/en/indprop/comp/michelet.pdf.)

National Security Advisor to the President of the United States
ex-Director of the CIA
ex-Director of the CIA
CIA (usa gov)
Zbigniew Brzezinski
Henry A. Kissinger
Sam Nunn
R. James Woolsey
James R. Schlesinger
James R. Schlesinger Commissioner on the U.S. Commission on National Security/21st Century Member Homeland Security Advisory Council
Honorable Diana Lady Dougan
Member
Member
Member
Member
Member
Center for Strategic and International Studies (CSIS)
Council on the Future of Technology & Public Policy
US Government
United Kingdom
Organization for Economic Co-operation and Development (OECD)
OTAN
School of Information Warfare

Electronic voting machines-USA
A wide variety of automatic counting systems are used in the USA. In the 2000 presidential election only 1.6% of voters used conventional paper ballot slips. 9.1% used direct electronic registration, 18.6% used lever type voting machines, 27.3% used optical readers and 34.3% used punched cards. The Federal Election Commission (FEC) has the task of maintaining the standards to be met by these balloting systems. Voting on the Internet is also being looked into carefully. Thus, for example, Internet voting trials were staged in four counties of California in the weeks leading up to the election in November 2000. Internet voting was also tried out in Alaska (in January 2000, organised by the company VoteHere) and in Arizona (March 2000, organised by Election.com).

Schengen Information System - SIS
police network
eurojust
European Judicial Network (EJN)
police network
EUROPOL (TECS)
police network
European Commission
Trans-European Networks Directorate (TENs)
Entreprise Directorate
GALILEO
positioning network
European Telecommunic. Standards Institute (ETSI)
European Committee for Standardization-CEN
Committee Europeene des Postes et Telecom. (CEPT)
European Space Agency
CEN/ISSS - Information Society Standardization System
ERCIM -European Research Consortium for Informatics and Mathematics
TC278
Road transport telematics
WS/MEET
Tracking and tracing the current position or status of goods under transport
WS/DIR
Directories and naming issues
WS/FINREAD
Specifications for a secure IC card reader for bankcard payments
CEN/TC224
I. C. Cards
WS/DISTINC ID
Common data and formatting rules for identifying a smart card, the smart card holder and
French Government
Ecole de Guerre Economique
Centre Electronique de l'Armement CELAR
The European Patent Organisation
Contracting States
Austria, Belgium, Swtzerland, Cyprus, Germany, Denmark, Spain, Finland, France, Turkey, Greece, Ireland, Italy, Liechtenstein, Luxembourg, Monaco, Netherlands, Portugal, Sweden, UK, Bulgaria, Czech Republic, Slovak Republic, Estonia
The Regional Industrial Property Programme (RIPP)
The EC-ASEAN Patents & Trademarks Programme (ECAP)
EPO Common Software
Patent Cooperation Treaty (PCT)

The European Patent Office finances itself by fees from the patents which it grants. It is free to use a certain percentage of these fees. Since the 1980s the EPO has illegally lowered the standards of technicity, novelty, non-obviousness and industrial applicability and abolished examination quality safeguards so as to increase the number of granted patents by more than 10% and the license tax on the industry by 26% per year. As an international organisation, the EPO is not subject to criminal law or taxation. The local police's power ends at the gates of the EPO. High EPO officials have inflicted corporal injury on their employees and then escaped legal consequences by their right to immunity. The work climate within the EPO is very bad, leading to several suicides per year. The quality of examination reached a relative high in the 80s but has after that been deteriorating, partly because the EPO had to hire too many people too quickly for too low wages. Examiners who reject patents load more work on themselves without getting more pay. Examiners are treated by the EPO management as a kind of obstacle to the corporate goal of earning even more patent revenues. The high-level employees of the EPO owe their jobs to political pressures from within national patent administrations and do not understand the daily work of the office. The EPO has its own jurisdictional arm, consisting of people whose career is controlled by the EPO's management and its internal climate. The national organs that are supposed to supervise the EPO are all part of the same closed circle, thus guaranteeing the EPO managment enjoys feudal powers in a sphere outside of any constitutional legality, and that whatever they decide is propagated to the national administrations and lawcourts.